

ILIESCU, C.C.; ROMAN, L.; PASTIU, V.; MICHEL, I.

Effect of ateroid on blood lipids. Cor vasa 4 no.3:225-231 '62.

1. Hoart Clinic ASCAR, Bucuresti.

(LIPIDS blood)

(HEPARIN related cpds.)

(CHOLESTEROL blood)

ROMAN, L.

"Geothermal gradients now known in greater detail" by P.L.Moses.
Reviewed by L.Roman. Przegl geol 10 no.6:324 Ja '62.

ROMAN, Lucjan

Temperature measurements in the Magnuszew borehole. Kwartalnik
geol 6 no.2:350-359 '62.

1. Zaklad Geofizyki, Instytut Geologiczny, Warszawa.

ROMAN, L.

Application of isotopes in engineering. Przegl geol 10
no.11:625 N '62.

POPPER, E.; ROMAN, L.; CRACIUNEANU, R.; FLORIAN, E.

Studying the behavior of the cations of the 3d analytical group towards a class of organic reagents. Rev chimie Min petr 13 no.6:372-374 Je '62.

1. Laboratorul de chimie analitica Facultatea de Farmacie
Institutul medico-farmaceutic, Cluj.

ROMAN, Lucjan

Acoustic profiling. Kwartalnik geol 6 no.4:743-745 '62.

1. Zaklad Geofizyki, Instytut Geologiczny, Warszawa.

ROMANIA / Analytical Chemistry. Analysis of Inorganic E-2
Substances.

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 7983.

Author : Popper, E., Popa, L., Junie, V., Roman, L.

Inst : Not given.

Title : New Rapid Method of Gravimetric Determination of
Cadmium with a Reagent of the Class of Mercap-
tanes. Communication III.

Orig Pub: Rev. Chim., 1958, 9, No 6, 302-305.

Abstract: It was found that 2-mercapto-5-anilino-1,3,4-thio-
diazolo (I) used for the determination of Pb and
Hg (RZhKhim, 1958, 24757, 24774) is also suitable
for gravimetric determination of Cd. I forms
with Cd²⁺ a white precipitate (crystalline in
alcoholic medium and amorphous in alkaline med-
ium; molecular weight 528,978), insoluble in water,

Card 1/3

RUMANIA / Analytical Chemistry. Analysis of Inorganic E-2 Substances.

Abs Jour: Ref Zhur-Khimiya, No 3, 1959, 7983.

Abstract: alcohol and ether, and readily soluble acids. In determination of Cd there is added to 1-5 ml of the solution being analyzed and containing 0.01-0.05 g Cd, 10 ml C_2H_5OH , the mixture is heated on a water bath and a 1% alcoholic solution of I is added dropwise and with continuous stirring. If the solution being analyzed contains anions of a strong acid, CH_3CCONa is added in order to produce a buffered medium. After heating for 15-20 minutes on the water bath the precipitate is filtered off on a filter crucible, washed successively with warm 50% C_2H_5OH , 95% C_2H_5OH ether, dried in vacuum and weighed. According to a 2nd variant of the method Cd^{2+} is precipitated with hot aqueous sol-

Card 2/3

ROMAN, T., biolog; ROMAN, L., biolog

Contributions to the knowledge of the keeping state of
piled reed. Cel hirtie 12 no. 11: 353-356 N° 63.

ROMAN, T., biolog; ROMAN, L., biolog

Contributions to the knowledge of cryptogamic diseases of reed and
their effect on the plant development. Cel hirtie 13 no.10:
353-358 0 '64.

ROMAN, Lucjan

The problem of relative resistivity of some layers. Przegl geol 9
no.10:518-524 '61.

1. Instytut Geologiczny, Warszawa.

(Rocks) (Electric resistance)

ROMAN, L.I.

Morphological and functional phases of the development of experimental liver cirrhosis under the influence of carbon tetrachloride. Biul. eksp. biol. i med. 54 no.9:110-114 S '62. (MIRA 17:9)

1. Iz kafedry patologicheskoy anatomii (zav.- prof. N.M. Shinkerman) Chernovitskogo meditsinskogo inatituta (rektor-doktor med. nauk M.M. Kovalev). Predstavleno deystvitel'nym chlenom AMN SSSR V.V. Parinym.

RUMANIA/Analytical Chemistry. Analysis of Inorganic
Substances.

E-2

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43027.

Author : Poper E., Popa L., Junie V., Roman L.

Inst :

Title : New Gravimetric Method for a Rapid Determination of
Cadmium.

Orig Pub: Rev. chim., 1957, 8, No 11, 714-716.

Abstract: On interaction of Cd^{2+} with monophenyl-hydra-
zodicarbon-thioamide $\text{C}_6\text{H}_5\text{NHC}=\text{N}(\text{SH})\text{H}_2\text{N}$ (I) in
neutralmedium, there is formed a stable white
precipitate which is insoluble in water, $\text{C}_2\text{H}_5\text{OH}$
and ether. I is readily synthesized from phenyl-
isothiocyanata and thiosenicarbazide in the pre-
sence of pyridine, and is a white powder, MP

Card : 1/3

RUMANIA/Analytical Chemistry. Analysis of Inorganic Substances.

E-2

Abs Jour: Ref Zhur-Khin., No 13, 1958 43027.

175-176°, soluble in C_2H_5OH , acetone, pyridine, and alkalies, and insoluble in water and in acids. In determining Cd there is added an equal volume of C_2H_5OH to 10-15 ml of a solution containing 0.01-0.15 g $CdSO_4$ or $Cd(CH_3COO)_2$, the mixture is heated on a water bath, and there is added, dropwise and with continuous stirring, an alcoholic solution of I_2 (0.5 or 1 g I_2 per 100 ml C_2H_5OH) after which the mixture is kept for 15 minutes on a water bath. The precipitate that is formed is filtered off, washed first with warm 50% C_2H_5OH , then with 96% C_2H_5OH (2-5 ml) and ether (3-5 ml), dried at 105-110° for 20-30 minutes, and weighed. If the solution being analyzed is weakly acidic, 1 ml of 2 N CH_3COONa

Card : 2/3

RUMANIA/Analytical Chemistry. Analysis of Inorganic
Substances.

E-2

Abs Jour: Ref Zhur-Khim., No 13, 1958, 43027.

is added. The absolute error varies from -0.2% to $+0.3\%$. The method is also suitable for a semi-micro determination of Cd.

Card : 3/3

ROMAN, L.

COUNTRY: : Rumania E-2
 CATEGORY: : Analytical Chemistry.
 ABC. JOUR. : RUMINA., No. 7, 1959. No. 1304
 AUTHOR : Popper, E.; Popa, L.; Luciu, V.; Roman, L.
 INST. : Rumanian Academy
 TITLE : New Rapid Methods of Macro-, Semimicro-, and
 Micro-gravimetric Determination of Lead by
 Means of Organic Acetates.
 ORIG. PUB. : Journal of Chemical Anal. Acad. RFR. VII.
 Cluj, 1957, 3, No 1-4, 164-174
 ABSTRACT : Gravimetric methods of determination of Pb
 have been worked out, which are based on the use of mono-
 phenylhydrazo-dicarboxylhydrazide (I), monomethylhydrazo-
 dicarboxylhydrazide (II), and monomethylhydrazo-dicarboxy-
 thiamide (III) (RUMINA, 1959, 4303). With which the forms
 yellow crystalline precipitates insoluble in ethanol, ether
 and in the solution containing excess reagent. I, II, and
 III form insoluble precipitates with almost all cations of
 heavy metals; cations of alkaline earth metals are not
 precipitated by these reagents. Pb²⁺ replaces two H atoms
 of the mercapten, forming the following mercaptides: C₆H₅-
 C₂N₂H₃S₂Pb, C₆H₅C₂N₂H₃S₂Pb and C₆H₅C₂N₂H₃S₂Pb.
 CARD: 1/1

3-71

COUNTRY : Rumania E-2
 CATEGORY : Analytical Chemistry.
 RES. JOUR. : RUMINIAN, No. 7, 1959, No. 2304

AUTHOR :
 TITLE :

ORIG. FIG. :

ABSTRACT : On micro-determination of Pb, 0.5-1.0 ml of neutral solution being analyzed (0.01-0.1 g Pb) are heated to a boil, hot ethanol solution of I or II is added, the mixture is kept on a water bath for 5 minutes, precipitate is filtered off, washed in succession with hot 50% ethanol, 95% ethanol, and ether, dried in vacuum desiccator, and weighed. Under these conditions III yields results that are too high because of its very low solubility in ethanol (0.05-0.1g); to obtain good results when using III, it is necessary to add ethanol to the solution being analyzed, and to wash the precipitate with a large amount of warm 96% ethanol. If the solution contains anions of strong acids

CARD: 2 / 3

ROMAN, LUCJAN

Wykorzystanie piaskow pustyni bledowskiej. Warszawa, Polskie Wydawn. Gospodarcze, 1952. 66 p. (Biblioteka zagadnień gospodarczych Polski, v. 2) (Utilization of the Bledow desert)

DA

Not in DLC

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

POPPER, E.; POPA, L.; PROINOV, L.; ROMAN, L.; CRACIUNEANU, R.; JUNIE, V.

Behavior of some heavy cations towards certain organic reagents.
Studii cerc chim 9 no.2:397-404 '61.

1. Facultatea de farmacie, Laboratorul de chimie analitica, Cluj.

(Cations) (Organic compounds)
(Chemical tests and reagents)

ROMAN, Lucjan

Stress envelopes in the Magnuszew borehole. Przegl geol 10
no.12:658-661 D '62.

1. Instytut Geologiczny, Warszawa.

ILIESCU, C.C., prof.; ROMAN, L., dr.; DOMOCOS, G., dr.; CRETU, Silvia

Analysis of the morbidity of patients examined at the ASCAR polyclinic.
Med. intern. 14 no.4:541-548 My '62.
(CARDIOVASCULAR DISEASES) (MORBIDITY)

ILIESCU, C.C., prof.; ROMAN, L., dr.

Epidemiology of coronary arteriosclerosis. Med. intern. 14 no.4:521-535 My '62.

(CORONARY DISEASE)	(MORBIDITY)	(MORTALITY)
(NUTRITION)	(OCCUPATIONS AND PROFESSIONS)	(SMOKING)
(LIPID METABOLISM)	(GENETICS, HUMAN)	

ILIESCU, C.C., Prof.; ROMAN, L., dr.

Subendocardial infarct. Med. intern., Bucur. 11 no.12:1803-1813 '59.

I. Lucrare efectuata in Clinica medicala a Spitalului "Bernat Andrei".
(MYOCARDIAL INFARCT)

ROMAN, L., Dr.

New data on pathogenesis and prevention of Sokolski-Bouillaud's rheumatism. Med. int., Bucur. 4 no.8:1097-1103 Dec 56.

1. Lucrare efectuata in Clinica a III-a medicala, Bucuresti
Dir. prof. C. Iliescu.

(RHEUMATIC HEART DISEASE

Bouillaud's dis., pathogen. & prev.)

ILIESCU, C.C., prof.; ILIESCU, Matei, dr.; ROMAN, L., dr.; IACOBINI, P., dr.;
CONSTANTINESCU, S., chimisti; NUTU, S.

The action of nicotinic acid on blood lipids in atherosclerosis.
Med. intern. 15 no.1:39-49 Ja '63.

1. Lucrare efectuata in Centrul de asistenta a cardiacilor A.S.C.A.R.,
Bucuresti.

(ARTERIOSCLEROSIS) (NICOTINIC ACID)
(BLOOD LIPIDS)

ILIESCU, C.C., prof.; ROMAN, L., dr.; ILIESCU, M., dr.; IACOBINI, P., dr.;
NITU, S.; CONSTINTINESCU, S.; CONSTANTINESCU, A.; GHEORGHIU, C.

The action of unsaturated fatty acids on blood lipids in
arteriosclerosis. Med. intern. 14 no.12:1433-1442 D '62.

1. Lucrare efectuata la ASCAR, Bucuresti.
(BLOOD LIPIDS) (ARTERIOSCLEROSIS) (FATTY ACIDS)
(BLOOD CHOLESTEROL)

ILESCU, C.C., prof.; ROMAN, L., dr.; DOMOCOS, G., dr.; CRETU, Silvia,
statisticiana

Analysis of the morbidity of the patients hospitalized in the
Clinica de cardiologie Ascar. Med. intern., Bucur 12 no.12:1823-
1832 D '60.

1. Lucrare efectuata la Clinica de cardiologie Ascar, director
prof. C.C.Iliescu.

(CARDIOVASCULAR DISEASES statistics)
(HYPERTENSION statistics) (HEART DEFECTS, CONGENITAL statistics)

ILIESCU, C.C.; ROMAN, L.; ROIANI, F.; DANIELESCU, D.

Plasma fibrinogen in acute coronary syndromes. Med. int., Bucur. 9 no.9:
1349-1361 Sept 57.

(CORONARY DISEASE, blood in
fibrinogen level, relation to necrosis of myocardial tissue)
(FIBRINOGEN
in acute coronary dis., relation to necrosis of myocardial
tissue)

ILIESCU, C.C.; ROMAN, L.; BANU, Ileana; SOIMU, I.; ORGHIDAN, Georgeta

Serum transaminase activity in myocardial infarct. Med. int., Bucur.
10 no.1:77-84 Jan 58.

(MYOCARDIAL INFARCT, blood in
transaminase activity)

(TRANSAMINASES, in blood
in myocardial infarct.)

ROMAN

RUMANIA/Human and Animal Physiology - Liver.

R-7

Abs Jour : Referat Zhur - Biol., No 16, 1957, 70863

Author : Roman

Inst :

Title : About a New Method of Functional Investigation of the
Liver. Preconversion Time.

Orig Pub : Med. interna, 1956, No 1, 725-735

Abstract : No abstract.

Card 1/1

- 30 -

DULCE, M., Dr.; ROMAN, L., dr.

Notes on the relationships between panmyelopathy and acute
leukosis; clinical case. Med. int., Bucur. 8 no.2:283-287
Apr-May 56.

1. Lucrare facuța in Clinica I medicala I.M.F. Bucuresti
Director acad. N. Gh. Lupu.
(BONE MARROW, diseases
panmyelopathy, with acute leukosis, case report)
(LEUKEMIA, case report
acute leukosis with panmyelopathy)

ROMAN, Laurian, Dr.

A new method of functional examination of the liver;
proconvertin time. Med.int.,Bucur. 8 no.5:725-735 Sept 56.

1. Lucrare executata in Clinica 1 medicala sub conducerea acad.
N. Gh. Lupu.

(LIVER FUNCTION TESTS

factor VII time)

(BLOOD COAGULATION

factor VII time as liver funct. test)

ROMAN, L., dr.

Current status of the therapy of cardiovascular diseases. Med. inter.,
Bucur 13 no.3:429-433 Mr '61.

(CARDIOVASCULAR DISEASES therapy)

ILIESCU, C., prof.; ROMAN, L., dr.; BOGDAN-DUMITRESCU, O., dr.

Transitory electrocardiographical aspects of necrosis in acute
coronary insufficiency. Med. inter., Bucur 13 no.3:359-365 Mr '61.

1. Lucrare efectuata in Clinica de cardiologie Ascar.
(CORONARY DISEASE diagnosis) (ELECTROCARDIOGRAPHY)
(NECROSIS) (MYOCARDIUM diseases)

ROMAN, T., biolog; ROMAN, Liliانا, biolog; CONSTANTINESCU, C., ing. chim.;
CONSTANTINESCU, Emilia, ing. chim.

Research on the factors determining reed growth and development.
Cel hirtie 13 no.11/12:393-399 N-D '64.

ROMAN, L. I.

ROMAN, L. I. -- "Uncomplicated and Complicated Hemothoraxes in Chest Wounds in Army and Front Areas." Sub 6 May 52, Central Inst for the Advanced Training of Physicians. (Dissertation for the Degree of Candidate in Medical Sciences).

SO: Vechnaya Moskva January-December 1952

ROMAN, L.I., kandidat meditsinskikh nauk

Therapy of pleural empyema. Sov.med. 18 no.6:32 Je '54.
(MLRA 7:6)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (sav.-prof. Ye.R.
TSitritskiy) Chernovitskogo meditsinskogo instituta.
(EMPYEMA, PLEURAL, therapy
*drainage, device)

ROMAN, L.I., dotsent

Internal ventral hernia [with summary in English, p.160] Vest.khir.
(MLBA 9:8)
77 no.4:87-93 Ap '56.

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav.-prof. Ye.R.
TSitritskiy) Chernovitskogo meditsinskogo instituta. Chernovtsy.
Teatral'naya, 2. Meditsinskiy institut.

(HERNIA, VENTRAL
internal, inter surg.)

(HERNIA, INTERNAL
ventral, surg.)

ROMAN, L. I.

RODIONOV, G.A., assistant; ROMAN, L.I., dotsent

Adenocarcinoid of the prostate gland with a metastatic cancerous
priapism. Vrach.delo no.8:863 Ag '57. (MLBA 10:8)

1. Kafedra patologicheskoy anatomii (zav. - doktor meditsinskikh
nauk N.M.Shinkerman) i kafedra fakul'tetskoy khirurgii (i.o. zav. -
dotsent D.K.Grechishkin) Chernovitskogo meditsinskogo instituta
(PROSTATE GLAND--TUMORS) (PENIS--CANCER)

ROMAN, L.I., dotsent; MOLDAVSKIY, V.B.

Surgical correction of neglected dislocations of the femur caused by injury. Ortop., travm. i protes. 18 no.2:59 Mr-Apr '57.

(MIRA 10:8)

1. Iz Chernovitskogo meditsinskogo instituta i Chernovitskoy oblastnoy klinicheskoy bol'nitsy (glavnyy vrach - kandidat meditsinskih nauk, P.T.Karavayev)
(FEMUR--SURGERY)

COUNTRY: Rumania
 CATEGORY: :
 ABS. JOUR. : REKhim., No. 21 1959, No. 75795
 AUTHOR : Popper, E., Popa, L., Junie, V., and Roman, L.
 INST. : Not given
 FIELD : The Application of the Method for the Determination of Lead with Mercaptans to the Analysis of Medicinal Preparations
 ORIG. PUB. : Farmacia (RPR), 6, No 5, 423-430 (1958)
 ABSTRACT : A method is proposed for the quantitative determination of Pb in medicinals with 2-mercapto-5-anilino-1,3,4-thiodiazole. The method is accurate and sensitive in view of the adequate weight of the precipitate obtained and permits the determination of Pb with an accuracy of 6 gammas of Pb in 1 ml solution. The proposed method can be applied to the determination of Pb in the medicinal compounds listed in Vol 6 of the Rumanian Pharmacopoeia. The authors have also shown that

CARD: 1/2

220

COUNTRY : Rumania H-17
CATEGORY :
ABS. JOUR. : RZKhim., No. 21 1950, No. 75795
AUTHOR :
ED. :
TITLE :
ORIG. PUB. :
ABSTRACT : the proposed method can be used in the extraction
of Pb from Emplastrum plumbi.
From authors' summary

CARD: 2/2

ROJEK, F.

Rojek, F. A modern method of complete demineralization of water
supplied for high-pressure boilers, p. 13.

CHEMIK

Vol. 9, No. 1, Jan. 1956 Warszawa, Poland

SOURCE: Monthly list of EEAL, LC, Vol 5, No. 10 Oct. 1956

CA

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

1ST AND 4TH ORDERS

1

Apparatus for measuring the diffusion of gases through
vulcanized fabrics. Josef Reich. *Przemysl Chem* 10,
101 2(1935). An app. is described which circumvents
the failings of the Schopper and Renard designs.
A. C. Zachlin

ASACSLA METALLURGICAL LITERATURE CLASSIFICATION

1

MAKARSKI, Withold; ROJEK, Julian

Controlling attachment; fraction collector of the chromatographic column eluate. Nukleonika 8 no.1:85-87 '63.

1. Instytut Badan Jadrowych, Warszawa 9, Zaklad Radiochemii.

ROJEK, K.; TEMPELHOF, J.

Mechanization of loading in the transportation of building materials. Przegl techn no.51:4 21 D '60.

NOTE, (continued)

For uniform design of certain building machines of common use, Przegl
budowl i budowl 36 no.12:678-682 D 164.

ROJEK, Karol, (Warszawa)

Means and ways of increasing the efficiency of building
machine parks. Przegl budowl i bud mieszk 36 no. 5:
257-262 My '64.

BRACH, Ignacy; ROJEK, Karol; WISLICKI, Alfred (Warszawa)

International Conference on Mechanization in Earthwork. Przegl budowl
i bud mieszk 36 no.3:150-151 Mr '64.

ROJEK, Karol; TEMPELHOF, Jerzy

Trends of ~~techn~~ological and organizational progress in the
automotive transport of the construction industry. Przegl
techn no.43:4 26 0 '60.

Rojek, S.

Kallnowski B., Grossman A., Rojek S. Determining Coke Apiness by
Measuring the Electrical Resistance of Coke Chunks.

„Ustalenie gotowości koksu na podstawie pomiaru oporu elektrycz-
nego bryły koksowej”. Hutnik. No. 8, 1954, pp. 256—259, 3 figs., 1 tab.

Research over the determination of correct coking time has led to
the compilation of a method of measurement which makes use of the
dependence of electric conductance of coke on its degree of carbonisa-
tion. The method has been adapted to industrial conditions. It consists
in measuring the electrical resistance of coke chunks, by means of two
carbon electrodes introduced through opposite doors of the coke-oven
chamber and connected by a Wheatstone's bridge. The diagram showing
variations in the resistance of the coke chunks as they are being distil-
led follows a characteristic course, an analysis of which makes it possible
to determine coking time.

ee
MN

(2)

ROJEK, Stanislaw; PIETRUCHA, Herbert

Technological progress as a development factor for
the Hajduki Coke Processing Works. Koks 8 no.5:143-151
S-0 '63.

1. Zaklady Koksochemiczne Hajduki, Katowice.

ROJEK, Stanislaw

Studies on the influence of late autumn sheep grazing on the yield
and botanical composition of mountain pastures. Roczn. nauk roln. rosl
84 no.1:105-124 '61.

DZIEZYC, Jozef; ROJEK, Stanislaw

Preliminary results of studies on the effect of rain irrigation and intensive fertilization on the crops of certain root plants, cereals, and fodder plants. Postepy nauk roln 10 no.5:65-78 '63.

1. Katedra Rolniczego Uzytkowania Terenow Zmeliorowanych, Wyzsza Szkola Rolnicza, Wroclaw.

ROJEK, Wiktor, mgr., inz.

Tensometric dynamometer for measuring the load of rock bolts.
Przepl gorn 17 no.6:9-11 of bulletin Je '61.

ROJEK, Wiktor, mgr inz.; PASTERNY, Lech, inz.; MARYANSKI, Krzysztof, inz.;
SKRZYPEK, Andrzej, mgr inz.

The TSI-GIG Telephone installation for crew communication in the
pit shaft. Prezgl gorn 20 no.3: Supplement: Biul glow inst gorn
14 no.1:9-10 '64.

PASTERNY, Lech, inz.; ROJEK, Wiktor, mgr inz.

Impulse rock movement meter. Przegl gorn 19 no.11:28-30 N '63.

ROJEK, Wiktor, mgr., inz.; PASTERNY, Lech

Resistance romometer. Przegl gorn 18 no.4:Suppl.: Biuletyn
glow Inst Gorn 13 no.1:8-10 '62.

ROJEK, W.

"Vagrant electric currents in mines underground", p. 147, (WIADOMOSCI
GORNICZE, Vol. 5, No. 5, May 1954, Katowice, Poland)

SO: Monthly List of East Accessions, (EEAL), LC, Vol. 4, No. 5, May
1955, Uncl.

ROJEK, Zdzislaw

Studies on the catalytic properties of cobalt powder. Pt.4.
Rocz chemii 37 no.9:1009-1012 '63.

1. Department of Physical Chemistry, N.Copernicus University,
Torun.

L 36906-66 EWP(e)/EWP(j)/EWP(t)/ETI IJP(c) JD/RM
ACC NR: AP6027105 (N) SOURCE CODE: PG/0099/66/040/001/0083/0086

AUTHOR: Rojok, Zdzislaw; Kreja, Ludwik; Basinski, Antoni

ORG: Department of Physical Chemistry, N. Copernicus University, Torun (Katedra Chemii Fizycznej Uniwersytetu M. Kopernika)

TITLE: Investigation of the catalytic properties of cobalt powder. Part VII.
Changes of electric conductivity of cobalt catalysts during carbon monoxide sorption

SOURCE: Roczniki chemii - annales societatis chimicae polonorum, v. 40, no. 1, 1966, 83-86

TOPIC TAGS: cobalt, electric conduction, carbon monoxide, hydrogen, oxygen, gas adsorption, heat effect

ABSTRACT: The electric conductivity of pressed cobalt catalysts was examined in the course of carbon monoxide sorption as a function of temperature, time, and hydrogen and oxygen preadsorption. The first portions of the adsorbed gas were found to increase electric conductivity, which drops again after attaining a maximum value. Conductivity is most strongly influenced by temperature changes. Orig. art. has: 3 figures. [Based on authors' Eng. abst.] [JPRS: 35,397]

SUB CODE: 07, 09 / SUBM DATE: 04Mar65 / ORIG REF: 004 / SOV REF: 001
OTH REF: 002

Card 1/1 LS

ROJEK, Zdzislaw

Chemisorption of hydrogen, carbon monoxide and water vapor
on the cobalt catalyst. Studia Tor. chemia 4 no.5:1-75 '63

1. Department of Physical Chemistry, N.Copernicus University,
Torun, Head: Prof.dr. A.Basinski.

ROJEK, Zdzislaw

Studies on the catalytic properties of cobalt powder. Roczniki chemii 36 no.5:953-958 '62.

1. Department of Physical Chemistry, N. Copernicus University, Torun.

POLAND

ROJEK, Zdzisław, of the Physical Chemistry Department, M. Copernicus University (Instytut Chemii Fizycznej Uniwersytetu M. Kopernika, Toruń), in Toruń.

"Investigations on the Catalytic Properties of Cobalt Powder. IV. The Chemisorption of Oxygen on Cobalt Powder."

Warsaw, Roczniki Chemii, Vol 37, No 9, 1963, pp 1609-1612.

Abstract: [Author's English summary modified] Measurements of kinetics of chemisorption of oxygen on cobalt powder were carried out. The results obtained showed that, in the temperature range from -76 to $+20^{\circ}\text{C}$, with growth of temperature the quantity of adsorbed oxygen increases also (per unit of surface area). Cobalt freshly reduced (containing about 100% metallic cobalt) adsorbs large quantities of oxygen. Adsorbents containing less metallic cobalt adsorb oxygen in a lesser degree. Typical mathematical formula of the kinetic isotherm of chemisorption as well as distribution function of active centers are given. Nine references, including 3 Polish, 2 Russian, and 4 Western.

1/1

BASINSKI, Antoni; ROJEK, Zdzislaw

Investigations on the catalytic properties of cobalt powder. I. The chemisorption of hydrogen on cobalt powder. II. The chemisorption of carbon monoxide on cobalt powder. Rocs chemii 35 no.4:1083-1101 '61.

1. Department of Physical Chemistry, N. Copernicus University, Torun.

ROJEK, Zofia, mgr inż.

Polyvinyl chloride joint fillers. Inst tech budow biul inf
no.11:28-32 '62.

1. Zakład Izolacji i Tworzyw Sztucznych, Instytut Techniki
Budowlanej, Warszawa.

ROJEK, Zofia

Selected problems of proper operating and regulation of heating
of the Otto system coke oven batteries. Koks 5 no.6:219-223
N-D 160.

1. Instytut Chemicznej Przerobki Węgla, Zabrze.

SZCZYPIORSKI, Kazimierz; TOMASZEWSKA, Elzbieta; ROJEWSKI, Ignacy

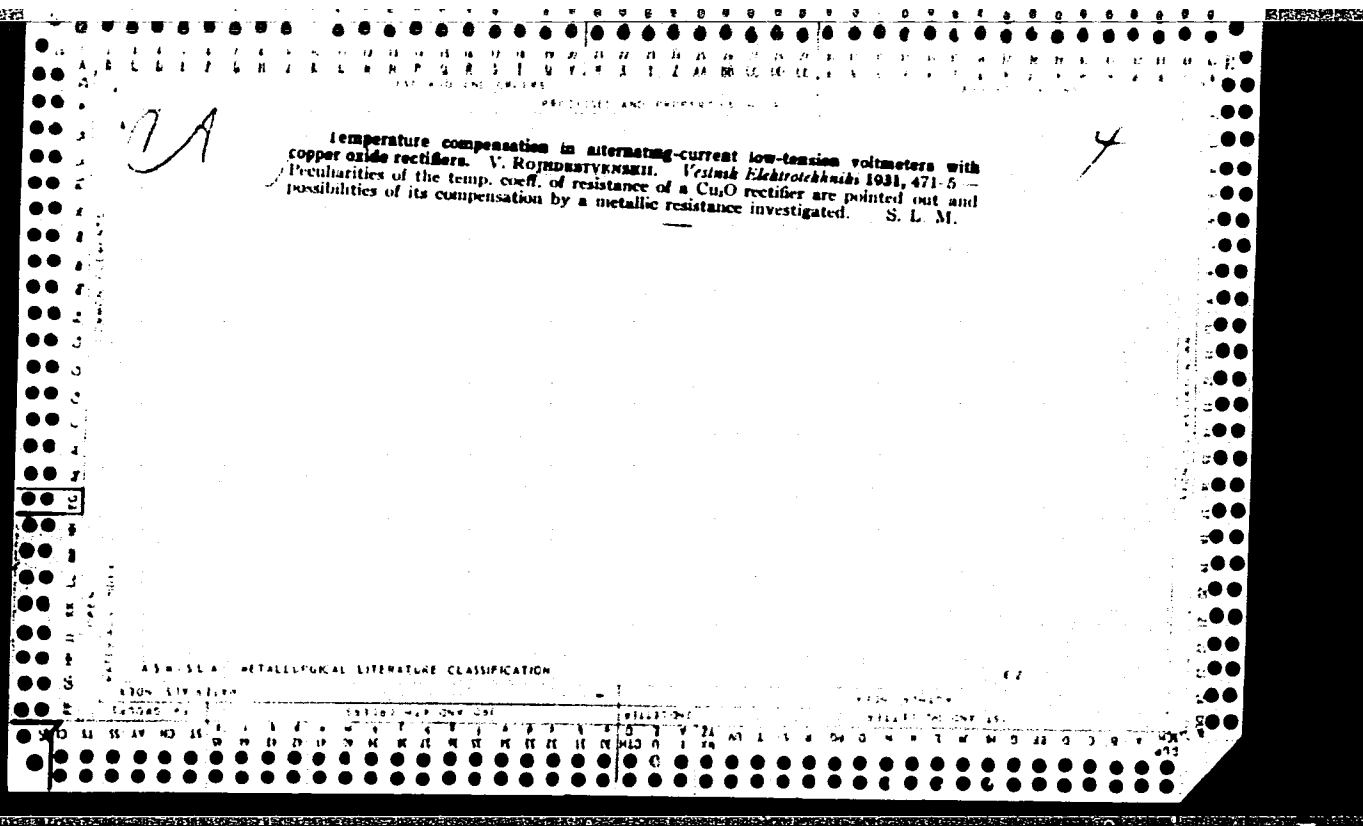
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Character of relations among productive factors occurring in
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Wiejskiego, Warszawa.



ROJIK, STANISLAV

S/277/63/000/004/012/013
A004/A127

AUTHORS: Macek, Isidor, Kalousek, Vratislav, Rojik, Stanislav

TITLE: System of pressurized oil feed from a stationary trunnion to the rotating components

PERIODICAL: Referativnyy zhurnal. Otdel'nyy vypusk. 48. Mashinostroitel'-nyye materialy, konstruktsii i raschet detaley mashin, no. 4, 1963, 68, abstract 4.48.398 P. (Czech. pat. cl. 47e, 8, no. 102542, February 15, 1962)

TEXT: In the suggested design, pressurized oil is fed by pipe 2 to the hole in the wall of hollow trunnion 1 (see figure), the pipe being fixed at the hole. Ring 4, whose inner surface is provided with an annular bore 5, located opposite the trunnion hole, and gasket rings 6, is slipped on trunnion 1. Some holes for piston 7 are drilled in the lower face of ring 4, these holes resting with their face-end surfaces on ring 8 which is fixed on the trunnion. At the location of the holes for piston 7, through holes 9 are drilled in ring 4 that are connected to the center bore 5 by holes 10. By oil pressure and also by means of springs 20 (in the case of a pressure rise,

Card 1/3

System of pressurized oil feed from...

S/277/63/000/004/012/013
A004/A127

ring 4 is pressed against slide surface 12 of ring 11, the latter being fastened by bolts to the rotating part 14. Two circular recesses 13 have been milled into surface 12, these recesses being connected, by passage 16, to passage 17 of rotating part 14, from where oil is fed to the rotating components and assemblies to be lubricated. The length of circular grooves 13 corresponds to the distance between holes 9 and is selected in such a way that, at any position of the rotating part, the oil feed into passage 17 is ensured. By the correct choice of the ratio of the diameter of hole 9 to that of piston 7 a definite pressing force of ring 4 to ring 11 is obtained, which ensures a good sealing of sliding surface 12 and part 14 rotating with a minimum of friction.

V. Golub

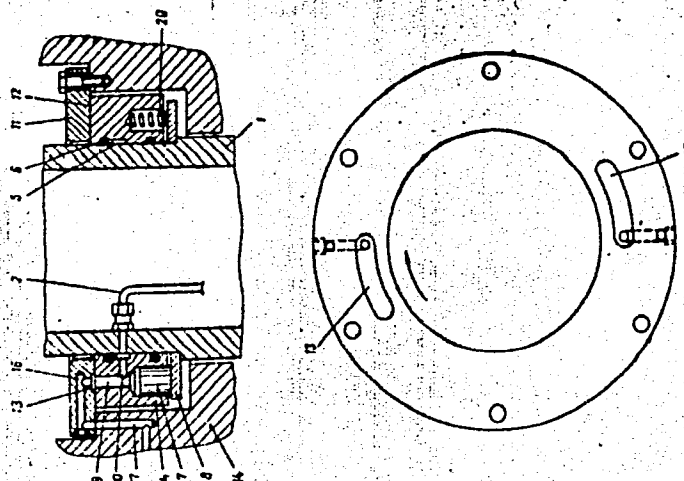
[Abstracter's note: Complete translation.]

Card 2/3

System of pressurized oil feed from..

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A004/A127

Figure:



Card 3/3.

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Similarities between patellar deformities in habitual patellar dislocation and Sinding-Larsen-Johannson disease. Magy radiol. 13 no.6: 359-362 N '61.

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12

*Industrial and Scientific
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966

778.3 : 521.1/9

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CIA-RDP86-00513R0014451

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Substances harmful to human health; a proposed measure. p. 261

K. A. A new prescription for dyeing and printing textiles with aniline black dye with bound aniline. p. 263

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